

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

Claim 1 (amended). A multifocal intraocular lens ~~for insertion into an enucleated natural lens capsule of an eye~~, said lens comprising:

a lens body having a substantially elliptical anterior surface, a substantially elliptical posterior surface, an upper portion, and a lower portion,

said lower portion having a semicircular shape in cross-section and tapering upwardly toward said upper portion to create a tapering periphery, wherein a cross-sectional profile of said lens body is comma-shaped;

said anterior surface and said posterior surface of said upper portion each having at least one radius of curvature,

wherein said lens body encompasses the optical axis of the eye depending upon the position of the eye.

Claim 2 (original). The multifocal intraocular lens of Claim 1, wherein said at least one radius of curvature of said posterior surface of said upper portion is shorter than said anterior surface of said upper portion.

Claim 3 (original). The multifocal intraocular lens of Claim 1, wherein said anterior and posterior surfaces of said upper portion of said lens body each have multiple radii of curvature.

Claim 4 (original). The multifocal intraocular lens of Claim 3, wherein said at least one multiple radii of curvature of said posterior surface of said lens body is shorter than said multiple radii of curvature of said anterior surface.

Claim 5 (amended). The multifocal intraocular lens of Claim 1, wherein ~~a cross-sectional profile of said lens body~~ comprises a synthetic material ~~is comma-shaped~~.

Claim 6 (original). The multifocal intraocular lens of Claim 1, wherein said lens body has at least one index of refraction.

Claim 7 (original). The multifocal intraocular lens of Claim 6, wherein said lens body has multiple indices of refraction.

Claim 8 (original). The multifocal intraocular lens of Claim 7, wherein said lower portion of said lens body has a greater index of refraction than said upper portion.

Claim 9 (original). The multifocal intraocular lens of Claim 1, wherein said lens body is substantially aspheric.

Claim 10 (original). The multifocal intraocular lens of Claim 1, wherein said lens body comprises a material that is not colorless.

Claim 11 (amended). The multifocal intraocular lens of Claim 5 ~~[[1]]~~, wherein said synthetic material is selected from the group consisting of silicone, acrylic, and polymethylmethacrylate.

Claim 12 (amended). A multifocal intraocular lens system for insertion of a multifocal intraocular lens into [[a]] an artificial lens capsule for placement within an eye having a posterior chamber and an anterior chamber, said lens system comprising:

    a lens body having a substantially elliptical anterior surface;  
    said lens body having a substantially elliptical posterior surface;  
    said lens body having an upper portion and a lower portion;  
    said lower portion having a semicircular shape and tapering upwardly toward said upper portion to create a tapering periphery;

    said anterior surface and said posterior surface of said upper portion, each surface having at least one radius of curvature;

    [[a]] an artificial lens capsule having an anterior surface and a posterior surface and adapted to be positioned within the eye, said lens body being disposed within said artificial lens capsule;

    a substance dispersed within said artificial lens capsule for allowing said lens body to move within said artificial lens capsule; and

    wherein said lens body encompasses the optical axis of the eye depending upon the position of the eye.

Claim 13 (amended). The multifocal intraocular lens system of Claim 12, wherein said artificial lens capsule is so dimensioned as to replace the natural lens capsule of the eye ~~approximately the size of the natural lens to be replaced.~~

Claim 14 (amended). The multifocal intraocular lens system of Claim 12 [[13]], wherein said artificial lens capsule is adapted to be positioned in the posterior chamber of an eye.

Claim 15 (amended). The multifocal intraocular lens system of Claim 12 [[13]], wherein said artificial lens capsule is adapted to be positioned in the anterior chamber of an eye.

Claim 16 (amended). The multifocal intraocular lens system of Claim 12, wherein the distance between said anterior and posterior surface of said artificial lens capsule defines a thickness, said artificial lens capsule having a first axis extending generally perpendicular to said anterior and posterior surfaces and a second axis generally perpendicular to said first axis that defines a width.

Claim 17 (amended). The multifocal intraocular lens system of Claim 16, wherein the thickness of said artificial lens capsule along the first axis is smaller than its width along its second axis.

Claim 18 (amended). The multifocal intraocular lens system of Claim 16, wherein said artificial lens capsule is adapted to be positioned in the eye so that the first axis is approximately parallel with the optical axis of the eye.

Claim 19 (amended). The multifocal intraocular lens system of Claim 12, wherein said artificial lens capsule is not colorless.

Claim 20 (amended). ~~The Said~~ multifocal intraocular lens system of Claim 12, wherein said artificial lens capsule comprises a material ~~member~~ selected from the group consisting of silicone, acrylic, and polymethylmethacrylate.

Claim 21 (amended). The multifocal intraocular lens system of Claim 12, wherein said artificial lens capsule is substantially pliable.

Claim 22 (amended). The multifocal intraocular lens system of Claim 12, wherein said artificial lens capsule has at least one index of refraction.

Claim 23 (original). The multifocal intraocular lens system of Claim 12, wherein said at least one radius of curvature of the posterior surface of said upper portion of said lens body is shorter than said upper portion of said anterior surface of said lens body.

Claim 24 (original). The multifocal intraocular lens system of Claim 12, wherein said anterior and posterior surfaces of said upper portion of said lens body each have multiple radii of curvature.

Claim 25 (original). The multifocal intraocular lens system of Claim 24, wherein said at least one radii of curvature of said posterior surface of said lens body in the aggregate are shorter than said multiple radii of curvature of said anterior surface.

Claim 26 (original). The multifocal intraocular lens system of Claim 12, wherein a cross-sectional shape of said lens body is comma-shaped.

Claim 27 (original). The multifocal intraocular lens system of Claim 12, wherein said lower portion of said lens body has a greater index of refraction than said upper portion.

Claim 28 (original). The multifocal intraocular lens system of Claim 12, wherein said lens body is substantially aspheric.

Claim 29 (original). The multifocal intraocular lens system of Claim 12, wherein said lens body comprises a material that is not colorless.

Claim 30 (amended). The multifocal intraocular lens system of Claims 12 or 29, wherein said lens body comprises a synthetic material ~~selected from the group consisting essentially of silicone, acrylic, and polymethylmethacrylate.~~

Claim 31 (original). The multifocal intraocular lens system of Claim 12, wherein said substance is not colorless.

Claim 32 (amended). The multifocal intraocular lens system of Claim ~~Claims~~ 12 ~~or 31~~, wherein said substance is a member of the group consisting of silicone, gel, sol, liquid, oil, and acrylic.

Claim 33 (amended). The multifocal intraocular lens system of Claim ~~Claims~~ 12, wherein said substance slows movement of said lens body within said artificial ~~an enucleated natural~~ lens capsule compared to movement of said lens body in the absence of said substance.

Claim 34 (amended). The multifocal intraocular lens system of Claim 12, wherein said lens system further comprises ~~a seurer~~ securing means for holding said artificial lens capsule in place within the eye.

Claim 35 (amended). The multifocal intraocular lens system of Claim 34, wherein said securing means ~~seurer~~ comprises at least two ~~spring-like~~ structures that extend from opposite sides of said lens capsule.

Claim 36 (canceled).

Claim 37 (amended). The multifocal intraocular lens system of Claim ~~35~~ 36, wherein said ~~spring-like~~ structures comprise haptics ~~two half-ticks~~.

Claim 38 (amended). The multifocal intraocular lens system of ~~Claims 35 or 36 or 37~~, wherein ~~said seccurer holds said lens capsule in place within the eye~~ said synthetic material is selected from the group consisting of silicone, acrylic, and polymethylmethacrylate

Claim 39 (new). A multifocal intraocular lens systems for insertion of a multifocal intraocular lens into an enucleated natural lens capsule of an eye, said lens system comprising:

- a lens body having a substantially elliptical anterior surface;
- said lens body having a substantially elliptical posterior surface;
- said lens body having an upper portion and a lower portion;
- said lower portion having a semicircular shape and tapering upwardly toward said upper portion to create a tapering periphery;
- said anterior surface and said posterior surface of said upper portion, each surface having at least one radius of curvature;
- a substance adapted for dispersion within said enucleated natural lens capsule for allowing said lens body to move within said enucleated lens capsule; and
- wherein said lens body encompasses the optical axis of the eye depending upon the position of the eye.

Claim 40 (new). The multifocal intraocular lens system of Claim 39, further wherein said substance is a member of the group consisting of silicone, gel, sol, liquid, oil, and acrylic.

Claim 41 (new). The multifocal intraocular lens system of Claim 39, further wherein said substance slows movement of said lens body within said enucleated natural lens capsule compared to movement of said lens body in the absence of said substance.

Claim 42 (new). The multifocal intraocular lens system of Claim 39, further wherein said substance is not colorless.